

Fig. 44 graphically illustrates a filter graph with thread dependencies during dynamic graph building, according to one embodiment of the present invention.

Fig. 45 is a block diagram of an example filter graph manager incorporating storage space for connected filter strings, in accordance with one aspect of the present invention.

Fig. 46 is a graphical illustration of an example filter cache suitable for use in accordance with the teachings of the present invention.

Fig. 47 is a flow chart of an example method for dynamically loading source filter strings, according to one embodiment of the present invention.

Fig. 48 is a flow chart of an example method for dynamically unloading source filter strings, according to one embodiment of the present invention.

DETAILED DESCRIPTION

Related Applications

This application is related to the following commonly-filed U.S. Patent Applications, all of which are commonly assigned to Microsoft Corp., the disclosures of which are incorporated by reference herein:

- Application Serial No. 09/731,560, entitled "An Interface and Related Methods for Reducing Source Accesses in a Development System", naming Daniel J. Miller and Eric H. Rudolph as inventors, ~~and bearing attorney docket number MS1-643US;~~
- Application Serial No. 09/732,084, entitled "A System and Related Interfaces Facilitating the Processing of Media Content", naming Daniel J. Miller and Eric H. Rudolph as inventors, and bearing attorney docket number MS1-629US;
- Application Serial No. 09/731,490, entitled "A System and Related Methods for Reducing Source Filter Invocation in a Development Project", naming Daniel J. Miller and Eric H. Rudolph as inventors, and bearing attorney docket number MS1-631US;

- 1 • Application Serial No. 09/132,452, entitled "A System and Related
2 Methods for Reducing Memory Requirements of a Media Processing
3 System", naming Daniel J. Miller and Eric H. Rudolph as inventors,
4 ~~and bearing attorney docket number MS1-632US;~~
- 5 • Application Serial No. 09/131,529, entitled "A System and Related
6 Methods for Reducing the Instances of Source Files in a Filter
7 Graph", naming Daniel J. Miller and Eric H. Rudolph as inventors,
8 ~~and bearing attorney docket number MS1-633US;~~
- 9 • Application Serial No. 09/132,087, entitled "An Interface and
10 Related Methods for Dynamically Generating a Filter Graph in a
11 Development System", naming Daniel J. Miller and Eric H. Rudolph
12 as inventors, ~~and bearing attorney docket number MS1-634US;~~
- 13 • Application Serial No. 09/132,090, entitled "A System and Related
14 Methods for Processing Audio Content in a Filter Graph", naming
15 Daniel J. Miller and Eric H. Rudolph as inventors, ~~and bearing~~
16 ~~attorney docket number MS1-639US;~~
- 17 • Application Serial No. 09/131,491, entitled "Methods and Systems
18 for Processing Media Content", naming Daniel J. Miller and Eric H.
19 Rudolph as inventors, ~~and bearing attorney docket number MS1-~~
20 ~~640US;~~
- 21 • Application Serial No. 09/131,563, entitled "Systems for Managing
22 Multiple Inputs and Methods and Systems for Processing Media
23 Content ", naming Daniel J. Miller and Eric H. Rudolph as
24 inventors, ~~and bearing attorney docket number MS1-635US;~~
- 25 • Application Serial No. 09/131,892, entitled "Methods and Systems
for Implementing Dynamic Properties on Objects that Support Only
Static Properties", naming Daniel J. Miller and David Maymudes as
inventors, ~~and bearing attorney docket number MS1-638US;~~
- Application Serial No. 09/132,088, entitled "Methods and Systems
for Efficiently Processing Compressed and Uncompressed Media
Content", naming Daniel J. Miller and Eric H. Rudolph as inventors,
~~and bearing attorney docket number MS1-630US;~~
- Application Serial No. 09/131,581, entitled "Methods and Systems
for Effecting Video Transitions Represented By Bitmaps", naming
Daniel J. Miller and David Maymudes as inventors, ~~and bearing~~
~~attorney docket number MS1-637US;~~
- Application Serial No. 09/132,372, entitled "Methods and Systems
for Mixing Digital Audio Signals", naming Eric H. Rudolph as
inventor, ~~and bearing attorney docket number MS1-636US;~~ and
- Application Serial No. 09/132,086, entitled "Methods and Systems
for Processing Multi-media Editing Projects", naming Eric H.
Rudolph as inventor, ~~and bearing attorney docket number MS1-~~
~~641US.~~